

REMARKS

As a preliminary matter, the title of the invention is amended to “Method for Producing Liquid Crystal Display Device Having a Controlled Parameter to Obtain Prescribed Optical Characteristics.” For this reason, withdrawal of the objection to the title is respectfully requested.

Claims 1-5 and 9-11 stand rejected under 35 U.S.C. 102(b) as being anticipated by Kishida et al. (U.S. Pub. No. 2003/0156247 A1). In response, Applicants amended independent claim 1 to include the features of claim 9, and traverse the rejection because the cited reference fails to disclose (or suggest) that a parameter is controlled under feedback of the thickness of a cell or height of a pillar spacer formed on one of the pair of substrates before and after injecting the liquid crystal.

Kishida is directed to a liquid crystal display device's substrate, a liquid crystal display device, and a manufacturing method. Kishida discloses a liquid crystal layer containing a polymerizable component capable of being polymerized by light sealed between two substrates arranged opposite to each other. The polymerizable component is polymerized by irradiation of light under a predetermined light irradiation condition while voltage is applied to the light crystal layer under a predetermined voltage application condition. (See the Abstract).

Kishida further teaches at paragraph [0010] that a liquid crystal material having a monomer mixed therein is injected through a liquid crystal injection port formed at one end part of a panel. In paragraph [0021], Kishida discloses that liquid crystal is

injected so that the liquid crystal molecules have the same alignment over almost the whole surface of the liquid crystal layer. Paragraph [0023] further teaches that the liquid crystal is injected into a space between a pair of substrates so that an injection speed of the liquid crystal in a vicinity of the seal member is lower than the injection speed of the liquid crystal in a display region.

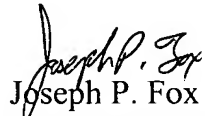
However, Kishida is silent regarding at least one of a voltage, a temperature, a luminance, or an irradiation time being controlled as a parameter, wherein the parameter is further controlled under feedback of a thickness of a cell or a height of a spacer formed on one of the substrates before and after injecting the liquid crystal. Kishida is silent regarding a cell thickness or height of a spacer. Moreover, Kishida does not consider a parameter “before and after” injection of the liquid crystal. Instead, Kishida merely discloses injecting the liquid crystal as discussed above. For this reason, withdrawal of the §102(b) of claim 1, as amended, and its respective dependent claims, is respectfully requested.

For all of the foregoing reasons, Applicants submit that this Application is in condition for allowance, which is respectfully requested. The Examiner is invited to contact the undersigned attorney if an interview would expedite prosecution.

Respectfully submitted,

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